



GENERAL INFORMATION

- 1.) Material will be fabricated in accordance with these drawings only after receipt of architect approval and approved hardware schedule with all necessary hardware templates.
- 2.) Doors and frames will be reinforced for surface mounted hardware. Gauges of reinforcements will meet or exceed the gauges as recommended by The Steel Door Institute. Drilling and tapping for surface applied hardware will be done by others. Doors and frames will be reinforced and prepared for mortise hardware with holes drilled and tapped at factory except trim mounting holes. All anchor hinges, concealed holders, closers and floor type pivots will be mortised and reinforced for. However, drilling, tapping and notching of face of door to establish handing must be done in the field.
- 3.) All doors and frames will be chemically cleaned, phosphatized and given one coat of baked on shop primer.
- 4.) Refer to detail sheets for jamb and floor anchors, jamb profiles and frame elevations.
- 5.) Furnishing and installation of all glass and builders hardware to be by others unless otherwise specified.
- 6.) Strike jambs prepared for and furnished with three rubber silencers for field installation. Double headers are prepared for two rubber silencers.
- 7.) All frames in masonry walls can be filled with grout where practical. Note: It is recommended that frames be backcoated in the field by general contractor with bituminous water resistant paint when saline materials or additives are used in the mortar to accelerate the setting of the mortar.
- 8.) Columns on schedule sheets referring to hardware are for distributor future use only and may be determined after receipt of approved hardware schedule.
- 9.) Hardware locations detailed on these drawings are to this manufacturer's standard locations and are for the standard type of hardware. Prior approval and acceptance for preparation of non standard hardware and at non-standard locations must be secured from this manufacturer before fabrication is started.
- 10.) It shall be the responsibility of the installer to verify that the marked item (door and/or frame components) is accurate and correct for the opening in which it is intended as specified on the architectural drawings and/or information provided to C&C Doors and Frames at the time of manufacture. **INSTALLATION CONSTITUTES ACCEPTANCE.** C&C Doors and Frames shall not be held liable for a frame and/or door that have been improperly installed.

GENERAL SYMBOLS AND ABBREVIATIONS NOT SHOWN ELSEWHERE

ABO = Aluminum By Others
BJ = Blank Jamb
BL = Borrow Lite
CL = Closer Reinforcement
DA = Double Acting

DL = Dead Lock
UNIT = Unit Lock
FB = ANSI Flush Bolt
SL = Side Lite
TL = Transom Lite

DISCLAIMER: ALL DETAILS AND INFORMATION CONTAINED IN THESE SHOP DRAWINGS ARE ACCURATE AT THE TIME OF PRINTING. HOWEVER, C&C DOORS AND FRAMES RESERVES THE RIGHT TO MAKE CHANGES TO ALL ITS PRODUCTS AND MANUFACTURING PROCEDURES.



C&C Doors and Frames

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DOORS SPECIFICATION

POLYSTYRENE GALVANIZED STEEL DOORS

Door panels of 18ga galvanized shall be manufactured of hot dip galvanized material. The material shall be treated in the mill to ensure prime paint adhesion.

HONEYCOMB CORE DOORS

Door panels of 18ga hot dipped galvanized steel material shall be bonded to a honeycomb impregnated material with 1" cells. Positive pressure/fire rating available. Optional seamless edge if requested.

EMBOSSSED DOORS

Doors shall be fabricated with two sheets of 18ga hot dipped galvanized steel embossed in 6 panel configurations. Optional seamless edge if requested.

TRANSOM PANELS

Shall have face sheets of 18ga steel reinforced with a foam core bonded to the faces with adhesive. When specified, horizontal 12ga flat strip astragal shall be factory installed on the transom panel.

HARDWARE PREPARATIONS

Doors shall be mortised, reinforced, drilled and tapped to receive specified mortise hardware and reinforced only for specified surface hardware. Drilling and tapping for surface hardware shall be done in the field. Hinge reinforcing shall be 10ga for 1-3/4" doors. Reinforcing for other surface and mortise hardware shall be 14ga. Other hardware options such as pivot or anchor hinges, concealed holders or closers are reinforced according to the hardware template information. Drilling and tapping of these preparations shall be done in the field.

Top and bottom of door shall be 16ga galvanized channels. Top shall be flush and bottom shall have inverted channel to allow field adjustment if necessary at a later date.

Sound, cold and heat retardation shall be assured by thermosetting adhesive to bond a nominal one pound density polystyrene foam core to the panels

Hinge mortises shall be reinforced with 10ga steel plates, welded in place and tapped for 1-1/2 pair of 4-1/2" x 4-1/2" template hinges (2 pairs - 7'7" and above). Mortises shall extend the full width of hinge edge and filler plates shall be provided to permit installation of hinges for right or left hand swing as required.

When specified, 14ga push-pull, rim or concealed exit device shall be furnished. Doors and reinforcing must be drilled and tapped in the field.

THERMAL & STC RATING

ASTM C1363-05 / ASTM E1423-06
STC Rating 26
R Value 2.22, U Value 0.45

HARDWARE LOCATIONS

Unless otherwise specified, the location of locks, hinges, latches, push-pull plates and bars, exit devices, handlesets, closer reinforcing, roller latches and arm pulls shall confirm to the recommendations of the Door and Hardware Institute, SDI-100 and A250.8.

LABELED DOORS

When noted or required, provide doors with Warnock Hershey Inc. (WHI) labels with appropriate fire resistance and temperature rise ratings for the class of opening indicated. Construction details and hardware applications of the certifying authority shall take precedence over project details or specifications

LOUVERS

Shall be factory installed insert type with vision-proof inverted "y" baffles. Louver blades and frames are to be 18ga welded steel construction.

GLAZING

Glass lite doors are furnished with formed (20ga) steel glazing strips of the screw in type to permit selection of secure side in the field. Mounting bar for multi-lite glazing are of the field applied type. Glazing arrangements accommodate 1/4" (6.4mm) thick glass, supplied by others unless otherwise specified.

PRIME PAINTED DOOR

All exposed surfaces shall be cleaned, treated and given one baked on shop coat of rust inhibitive gray synthetic primer.

STORAGE

All doors shall be protected at the corners to prevent damage or marring of the finish. Doors shall be stored in an upright position separated by 1/4" wood strips under cover on the building site on wood sills or on floors in a manner that will prevent rust and damage. Avoid creating a humidity chamber by using a plastic or canvas shelter and not venting the area covered. In accordance with Job Site Storage ANSI A250.08 / HMMMA 840.

Contractor shall furnish and install steel doors / frames as manufactured by C&C Doors and Frames in all openings except as otherwise provided in specifications.

C&C Doors and Frames reserves the right to make changes in either price, designs, or specifications and to make improvements to its products without prior notice and without incurring any obligation to incorporate such changes in products previously manufactured.



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FRAMES SPECIFICATION

FRAMES

Shall be fabricated from 16ga hot dipped galvanized steel for 1-3/4" doors and borrow lites. Frames shall be designed with integral stop and trim.

MASONRY FRAMES

Shall be equipped with one welded in floor anchor in each jamb. Three steel lock in or welded in anchor shall also be provided for each jamb. Anchors shall be of the proper type for the particular construction involved (ie. wood stud, masonry, concrete, or steel stud). Knocked down frames shall have self-aligning tabs and slots for locked corners and shall be reinforced with 18ga reinforcements.

OPTION: Frame corners shall be mitered and arc welded and ground smooth on frame faces.

DRYWALL FRAMES

Shall be designed for installation after the wall is erected. Hinge and strike jamb shall be supplied with steel anchors which are to be screw-adjusted after the frame is installed and shall be equipped with welded-in sill anchors.

HARDWARE PREPARATION

Frame shall be mortised, reinforced, drilled and tapped to receive specified mortise hardware and reinforced only for specified surface hardware. Drilling and tapping for surface hardware shall be done in the field. Plaster guards shall be installed on all applicable hardware cutouts in the frames. Strike jambs shall be prepared for three rubber silencers. Hardware reinforcing shall comply with ANSI 250.8 (SDI100) and ANSI 250.6.

HARDWARE LOCATION

Unless otherwise specified, the location of strikes, hinges, closer reinforcements, and roller latches shall conform to the recommendations of the Door and Hardware Institute and ANSI 250.8 (SDI-100).

LABELED FRAMES

When noted or required, provide frames with Warnock Hershey, Inc. (WHI) labels for the class of opening indicated. Construction details and hardware application requirements of the certifying authority shall take precedence over project details or specifications.

PRIME PAINTED FRAMES

All exposed surfaces shall be cleaned, treated with and given one baked-on shop coat of gray rust inhibitive primer.

STORAGE

Frames shall be stored in an upright position under cover on the building site on wood sills or floors in a manner that will prevent rust and damage. Avoid creating a humidity chamber by using a plastic or canvas shelter and not venting the area covered.

INSTALLATIONS OF FRAMES

Steel frames shall be installed by the General Contractor. Installation shall be plumb, straight and true; rigidly secured in place and properly braced. The frame installer shall be responsible for the squareness of the frame in place. Spreaders on welded frames to be removed prior to installation. Installation shall comply with ANSI 250.11 / SDI 122 / HMMA 840. Installation of units constitutes acceptance of said opening by installer/contractor.

Contractor shall furnish and install steel doors / frames as manufactured by C&C Doors and Frames in all openings except as otherwise provided in specifications.

C&C Doors and Frames reserves the right to make changes in either price, designs, or specifications and to make improvements to its products without prior notice and without incurring any obligation to incorporate such changes in products previously manufactured.



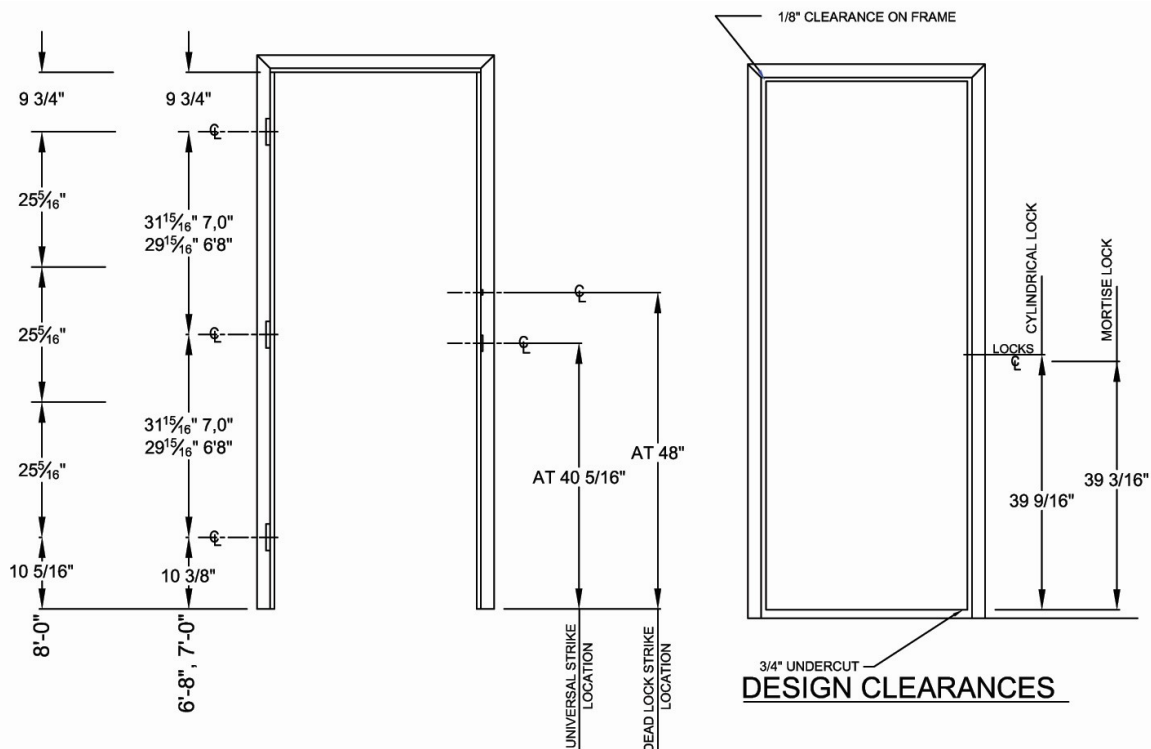
C&C Doors and Frames

DOOR & FRAME HARDWARE LOCATION ALL DOORS AND FRAMES ARE GALVANIZED

SERIES	TYPE	GAUGE	CORE	EDGE	HAND	THICKNESS	LABEL	MAX SIZE
GPF	Flush	18 - 20	Polystyrene	Welded Center	Non Handed	1-3/4"	3HR PP	4080
GPF	Flush	18 - 20	Polystyrene	Lock Seam	Non Handed	1-3/4"	3HR PP	3072
GPF	Flush	18 - 20	Honeycomb	Lock Seam	Non Handed	1-3/4"	3HR PP	3072
GPF	Flush	18 - 20	Polystyrene Honeycomb	Lock Seam	Non Handed	1-3/4"	3HR PP	6072
GP6	6 Panel	18 - 20	Polystyrene	Lock Seam	Non Handed	1-3/4"	3HR PP	3072
GPF	Lights	18 - 20	Polystyrene Honeycomb	Lock Seam	Non Handed	1-3/4"	3HR PP*	6072
GPF	Lights	18 - 20	Polystyrene Honeycomb	Lock Seam	Non Handed	1-3/4"	3HR PP*	3072
GPF	Flush Light/Louvers	18 - 20	Polystyrene	Lock Seam**	Non Handed	1-3/4"		8080

* 100 sq. inch with firelight 3HR, 100 sq. inch 1-1/2HR, 1296 sq. inch 3/4HR.
 ** 4'0" wide doors welded edge center seam.

HARDWARE LOCATIONS ARE SHOWN FOR STANDARD SIZES.
 CONSULT WITH MANUFACTURER FOR NON-STANDARD DIMENSIONS.
 NOT FOR USE BY OTHER TRADES FOR MACHINING PURPOSES.





POLYSTYRENE CORE 1-3/4" DOORS

OPTIONAL SEAMLESS EDGE

HINGE EDGE

STRIKE EDGE

POLYSTYRENE CORE

TOP VIEW

STANDARD LIGHT KIT INFORMATION

FRAME OPENING DIMENSION

ORDER SIZE & DOOR CUTOUT

GLASS SIZE

3/8" GLAZING GAP

VISIBLE LITE

ORDER SIZE PLUS 1 3/8"

ORDER SIZE IS VISIBLE LITE PLUS 2"

ORDER SIZE MINUS 1"

ORDER SIZE MINUS 2"

OUTSIDE

INSIDE

FLUSH TOP

12GA CLOSER REINF.

POLYSTYRENE CORE DETAIL

ANSI/BHMA A156.115
"M" (MORTISE BLANK FACE)
14GA REINFORCEMENT

BR RIM PANIC REINFORCEMENT
LOCK AND HINGE EDGE OF DOOR
14GA 10" x 3 3/4" PLATES
WITH HONEYCOMB SUPPORT

ANSI/BHMA A156.115
"T" (CYLINDRICAL)
14GA REINFORCEMENT

ANSI/BHMA A156.115
2 1/8" DEADBOLT PREP

ASTRAGAL
RH INACTIVE

ASTRAGAL
LH INACTIVE

ANSI/BHMA A156.115
"U" 4 7/8" UNIVERSAL STRIKE

NON-HANDED HINGE
10GA HINGE REINFORCEMENT

3 HR. LABEL STYLES

F F V N520 N425 N333

1 1/2 HR. LABEL STYLES

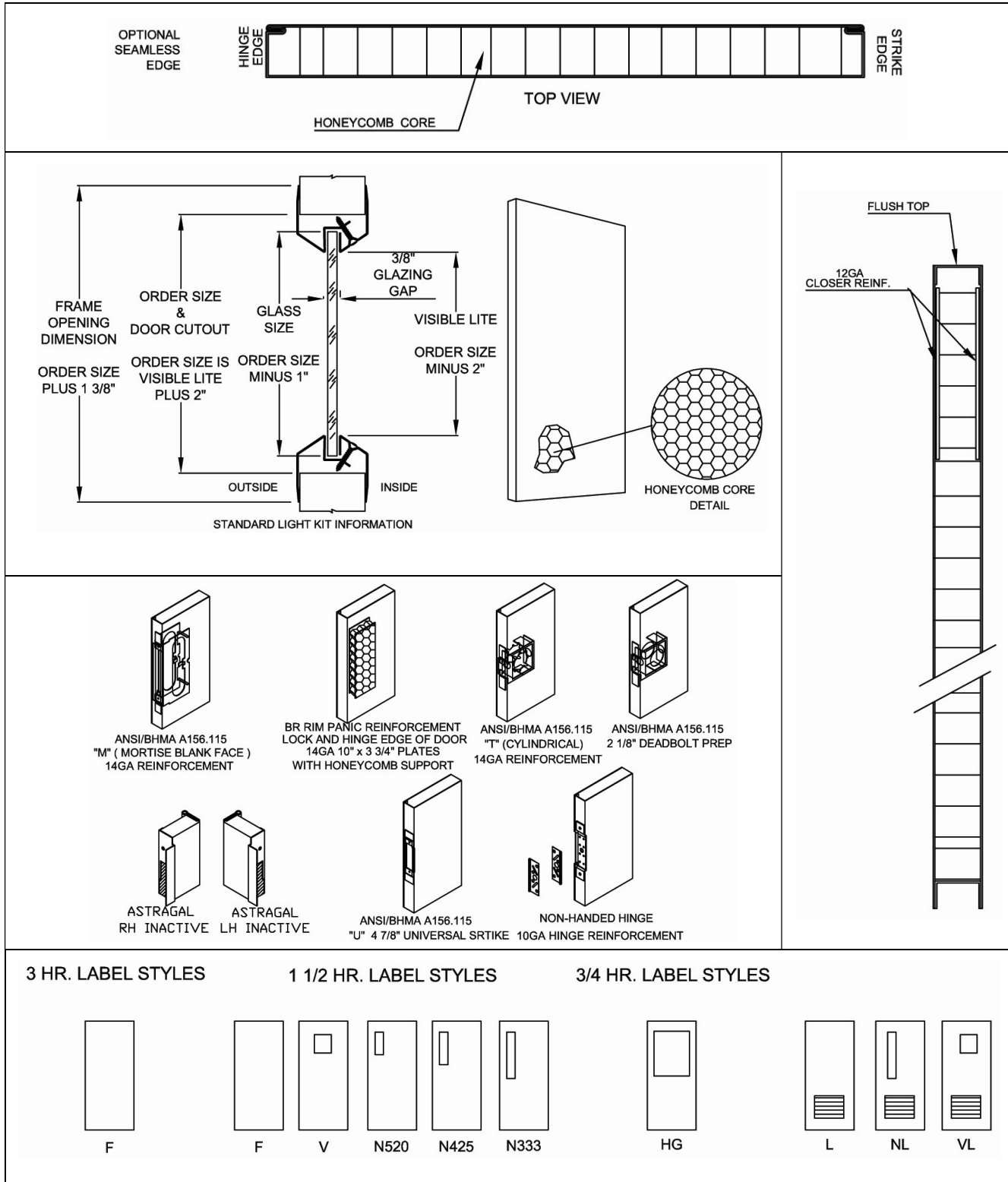
HG

3/4 HR. LABEL STYLES

L NL VL

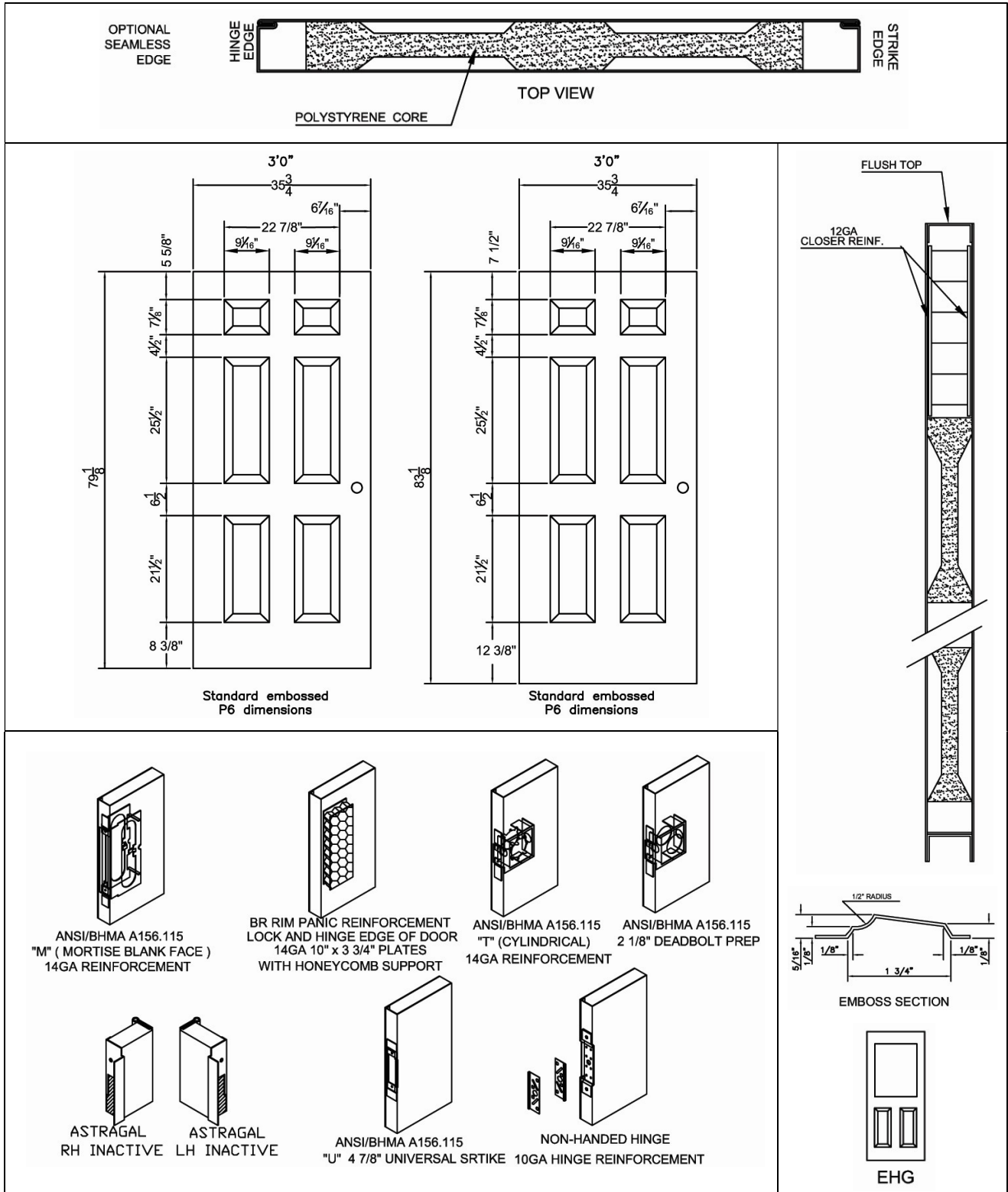


HONEYCOMB CORE 1-3/4" DOORS



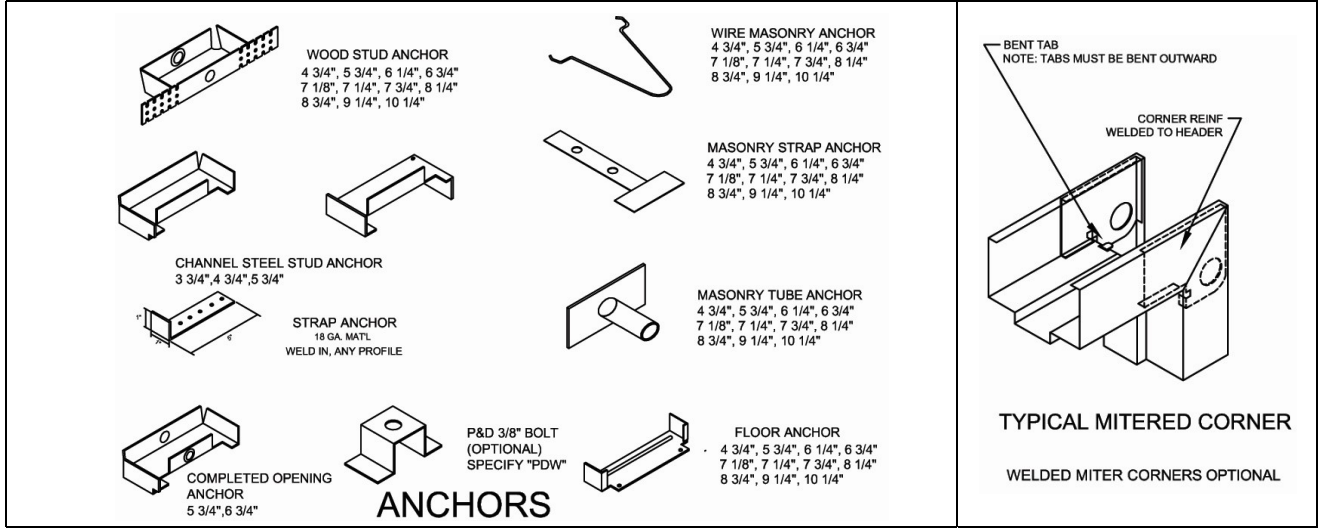
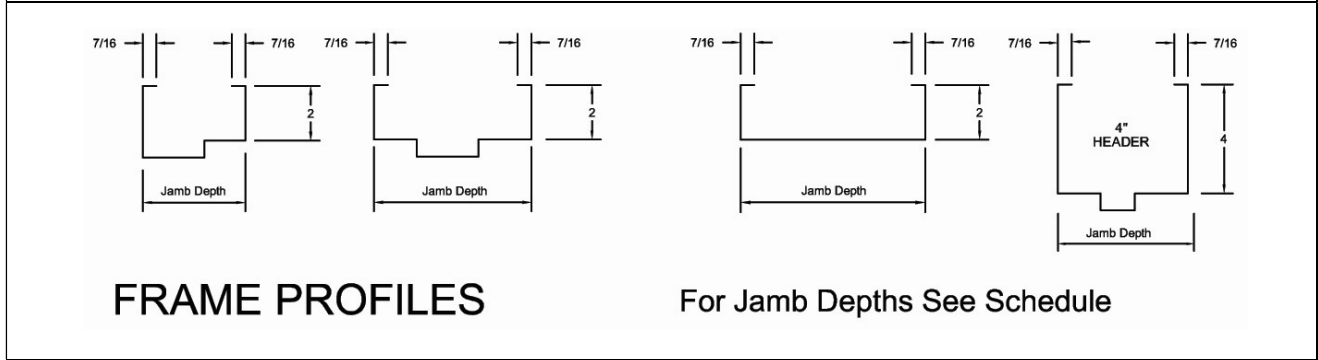
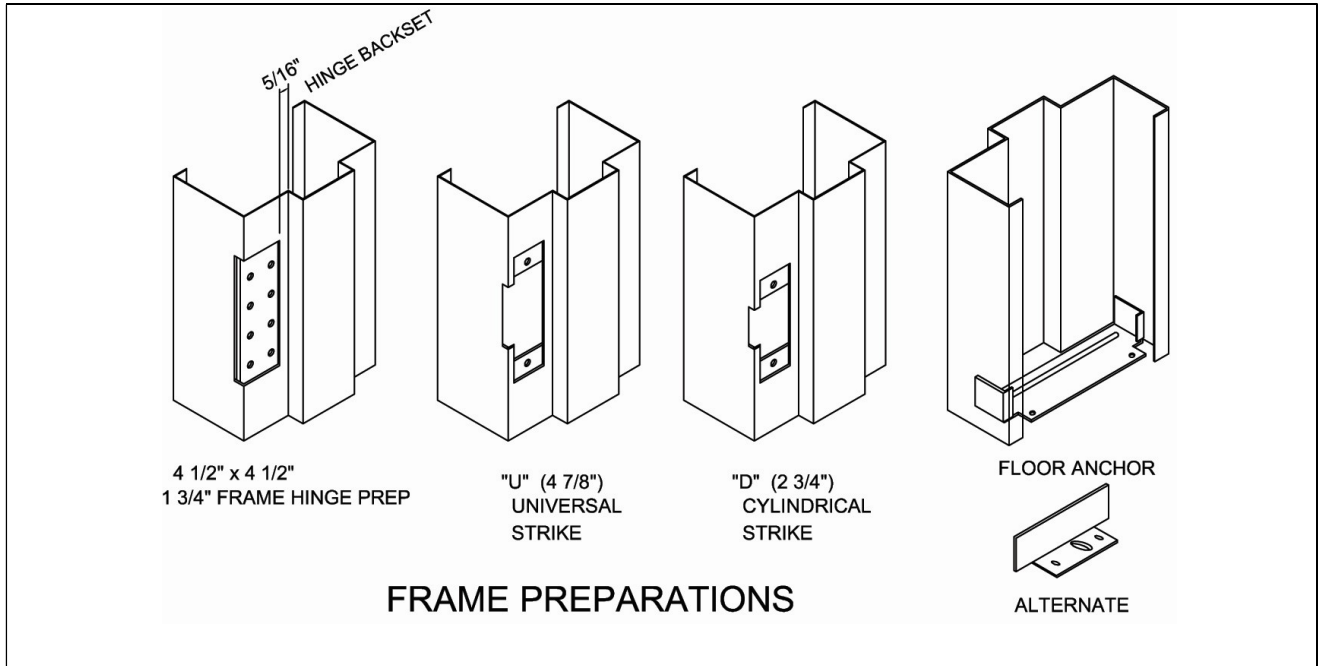


EMBOSSED POLYSTYRENE CORE 1-3/4" DOORS



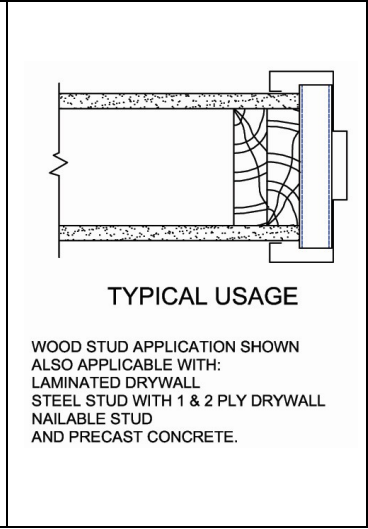
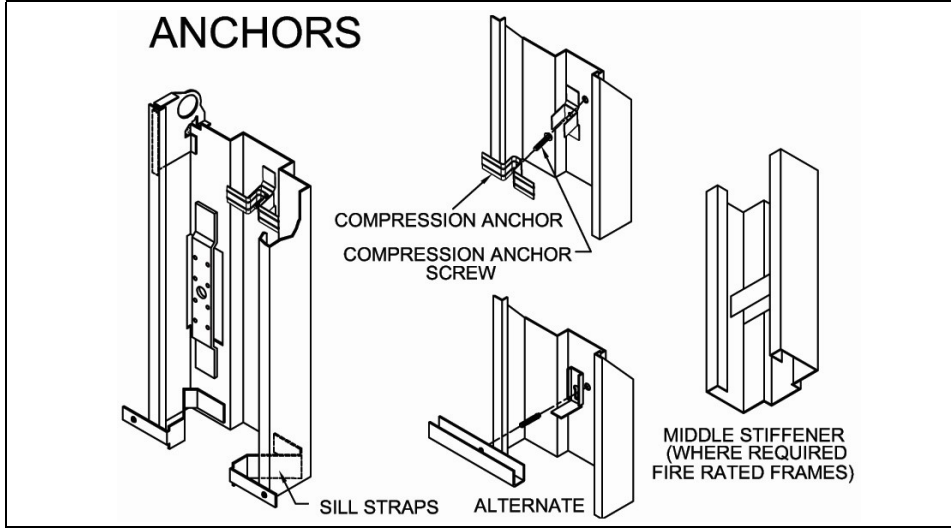
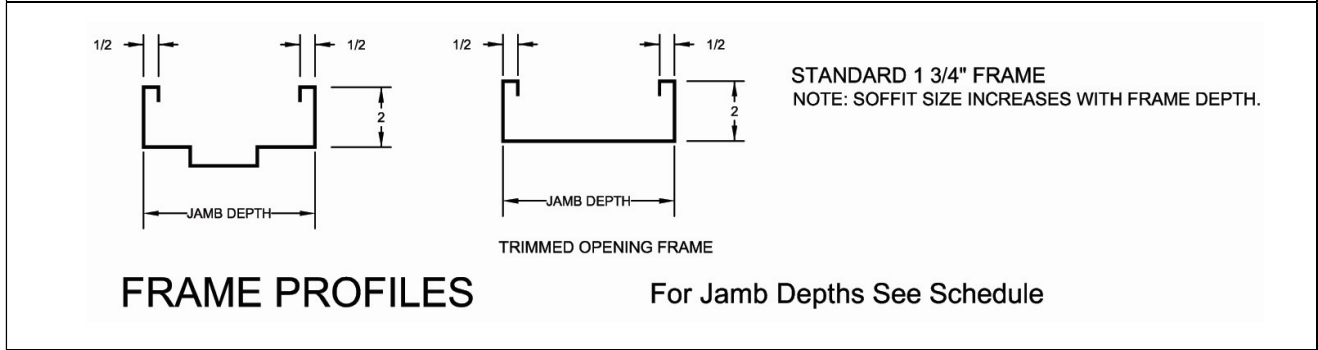
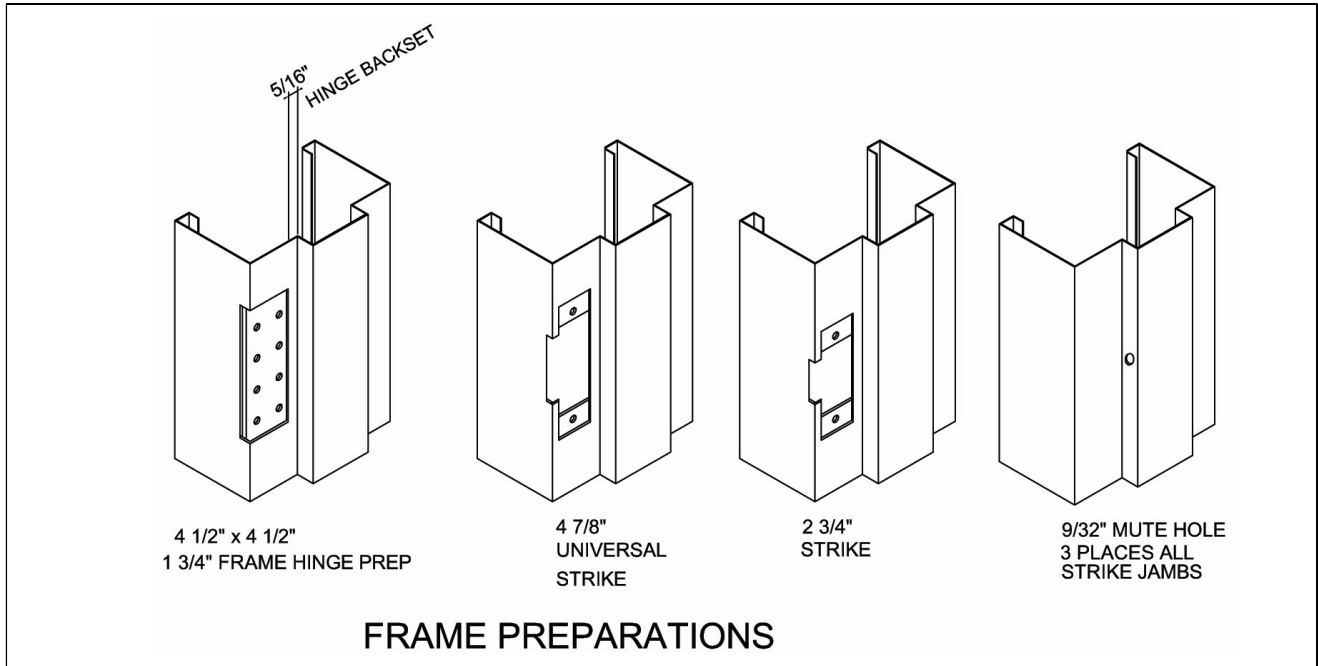


MASONRY 1-3/4" FRAMES





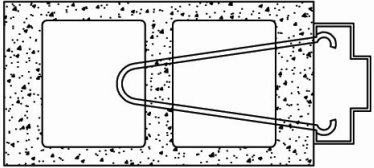
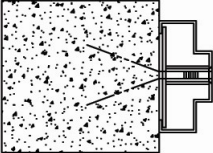
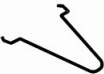

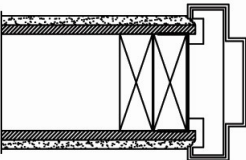
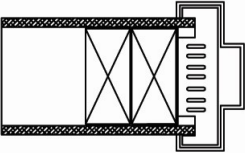

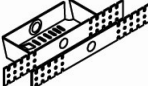
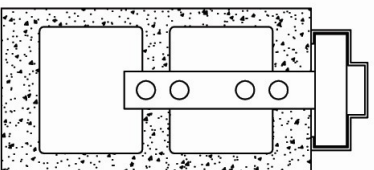
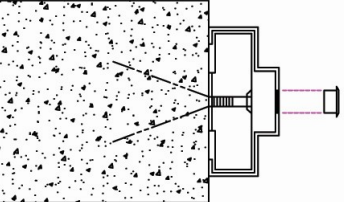
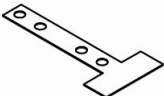
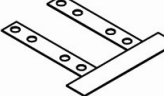
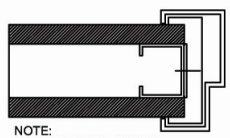
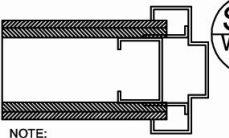
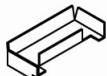

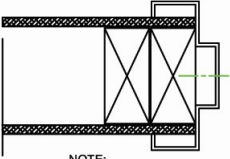
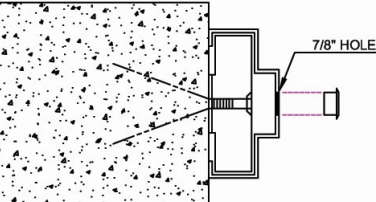


DRYWALL 1-3/4" FRAMES





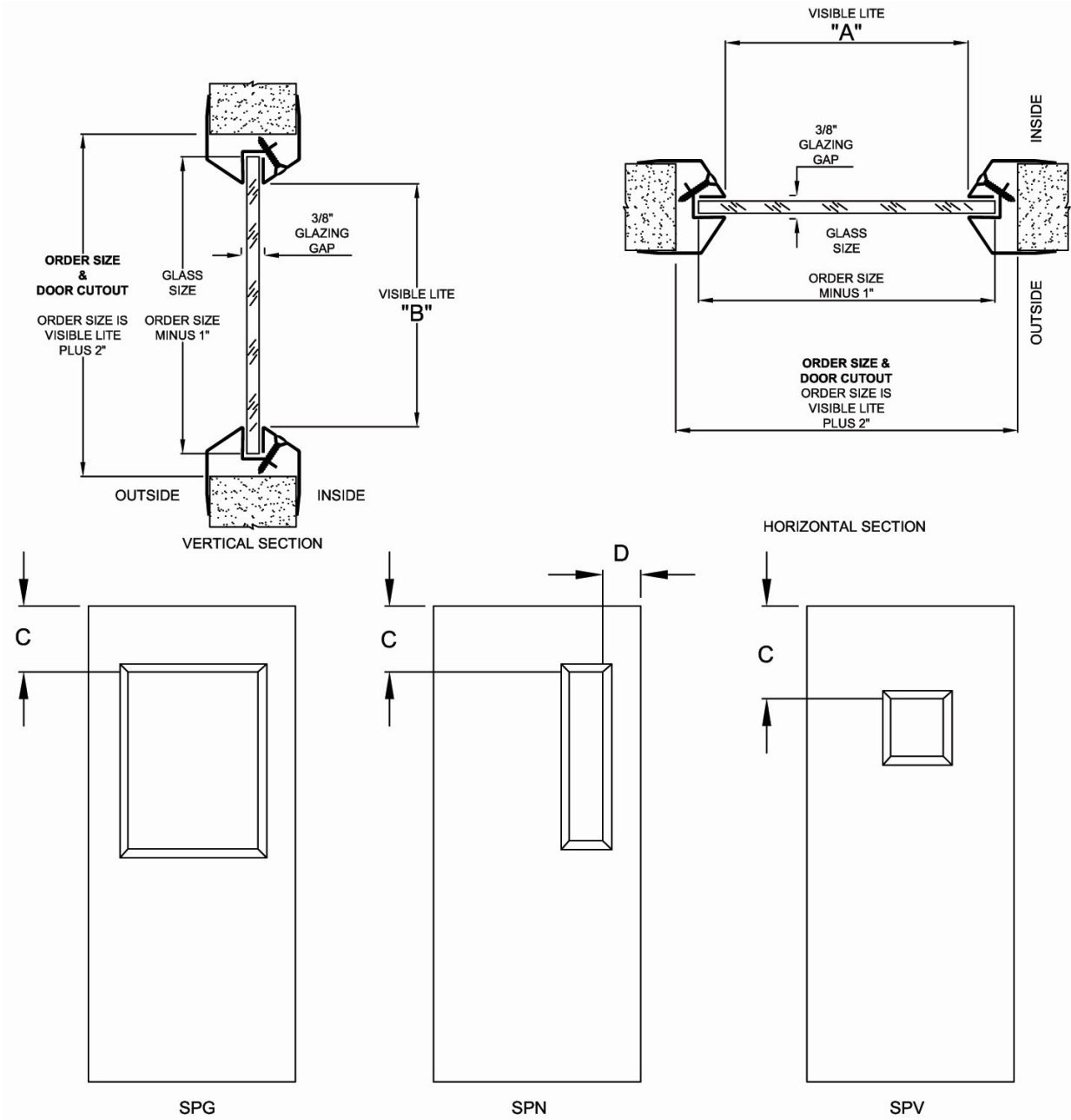
C&C Doors and Frames

ANCHORS/WALL CONDITIONS

 <p style="text-align: right;">(W)</p>	 <p style="text-align: right;">(P)</p>
 <p>WIRE MASONRY ANCHOR 3" THRU 8 3/4" (STANDARD) SPECIFY "M"</p>	 <p>MASONRY TUBE ANCHOR 4 3/4", 5 3/4", 6 1/4", 6 3/4" 7 1/8", 7 1/4", 7 3/4", 8 1/4" 8 3/4", 9 1/4", 10 1/4"</p>
 <p style="text-align: right;">(WS)</p>	 <p style="text-align: right;">(AWS)</p>
 <p>WOOD STUD ANCHOR 3 3/4", 4 3/4", 5 3/4", 6 1/4" 6 3/4", 7 3/4", 8 1/4", 8 3/4" (STANDARD) SPECIFY "S"</p>	 <p>ADJUSTABLE WOOD STUD ANCHOR 5 3/4", 6 1/4", 6 3/4", 7 1/4" 7 3/4", 8 1/4", 8 3/4" (OPTIONAL)</p>
 <p style="text-align: right;">(T)</p>	 <p style="text-align: right;">(CO SNAP IN) (COW WELD IN)</p>
 <p>MASONRY ANCHOR UNDER 9 1/2" (OPTIONAL) SPECIFY "T"</p>	 <p>MASONRY ANCHOR 9 1/2" AND OVER (OPTIONAL) SPECIFY "T"</p>
 <p style="text-align: right;">(CW WELD IN)</p> <p>NOTE: FINISHED WALL SHOWN</p>	 <p style="text-align: right;">(SW WELD IN)</p> <p>NOTE: FINISHED WALL SHOWN</p>
 <p>CHANNEL TYPE ANCHOR 3 3/4", 4 3/4", 5 3/4" (STANDARD) SPECIFY "CW"</p>	 <p>WELD IN STRAP ANCHOR</p>
 <p style="text-align: right;">(PD12)</p> <p>NOTE: FINISHED WALL SHOWN #12 WOOD SCREW</p>	 <p style="text-align: right;">(LP SNAP IN) (LW WELD IN)</p> <p>7/8" HOLE</p>
 <p>OPTIONAL WELD ANCHOR FOR 3/8" EMA BOLT PUNCH IN DRAW</p>	 <p>LAG COMPLETED OPENING ANCHOR 5 3/4", 6 3/4", 7 3/4", 8 3/4" WELD IN (OPTION) SPECIFY "LP"/ "LWS" (weld in)</p>



STANDARD LIGHT KITS

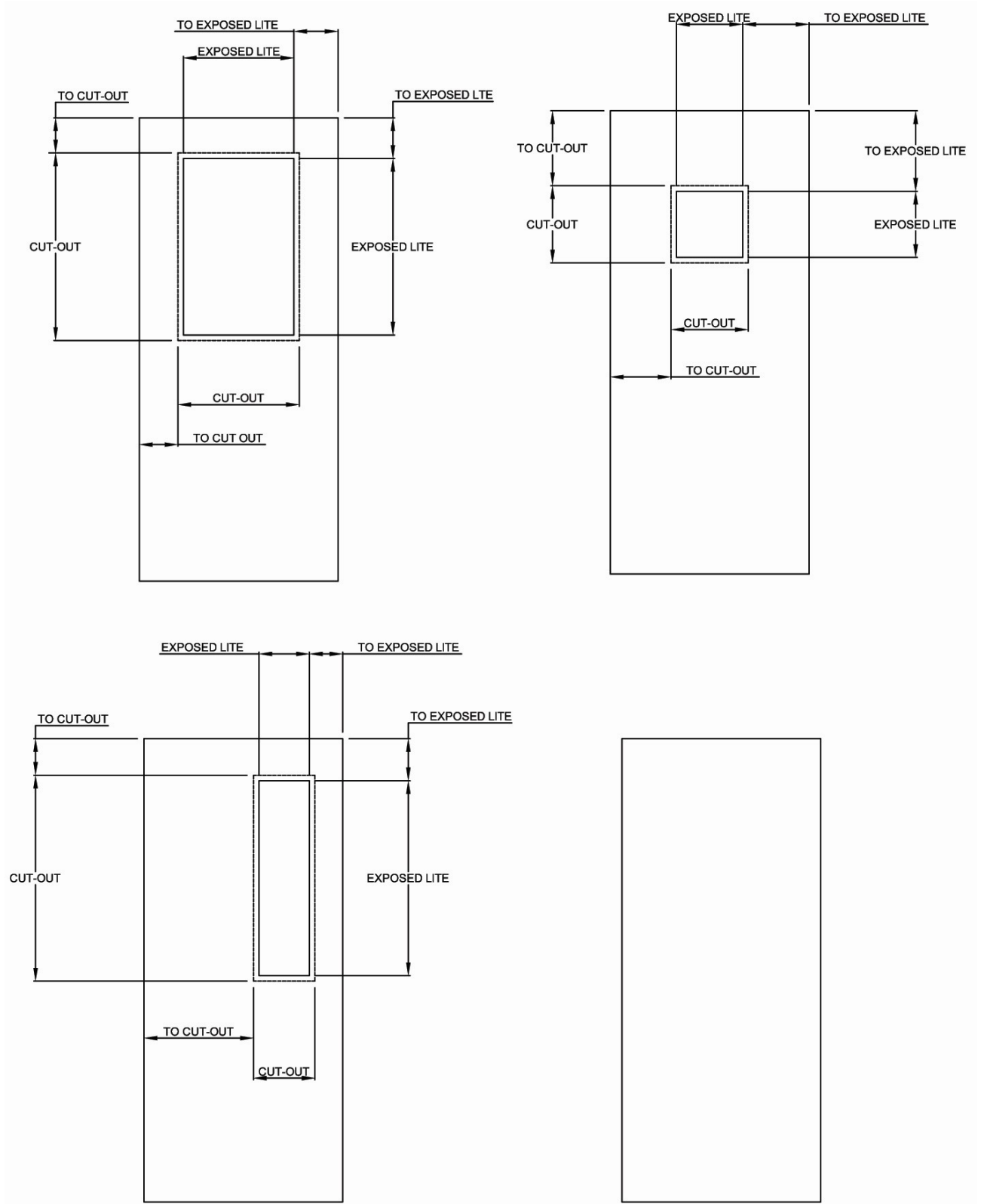


DIMENSIONS SHOWN ARE TO CLEAR VIEWING AREA (GLASS).

	A	B	C	D
SPECIAL HALF GLASS (SPG)			Top Rail	Lock Stile
SPECIAL NARROW LITE (SPN)				
SPECIAL VISION LITE (SPV)				

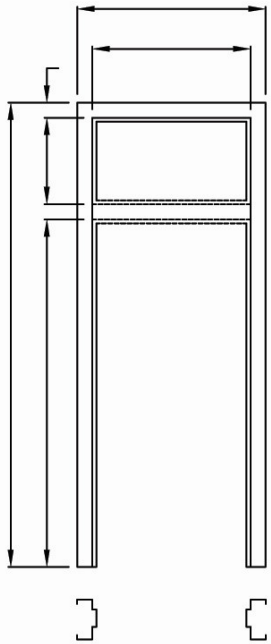


SPECIAL GLASS LITES

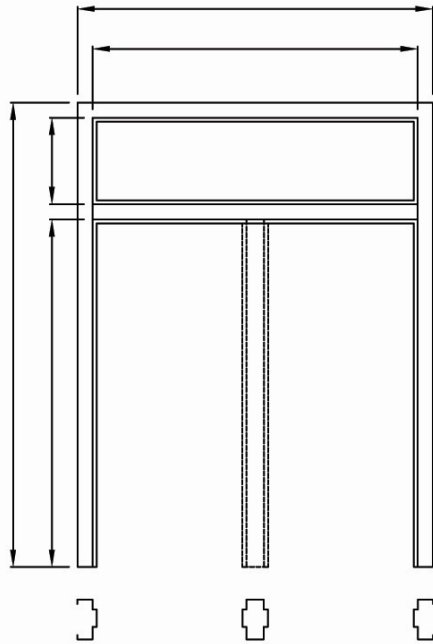




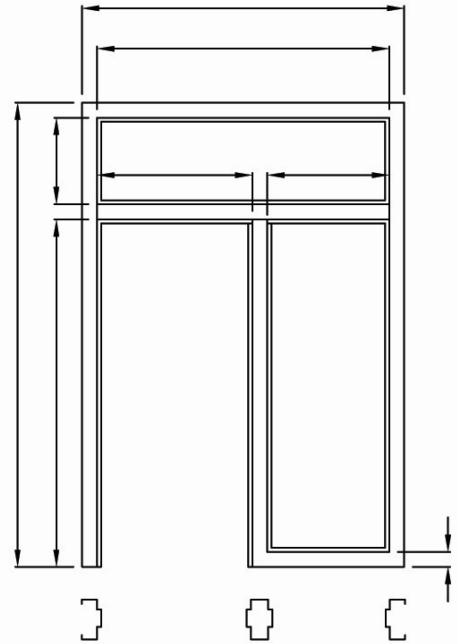
FRAME ELEVATIONS



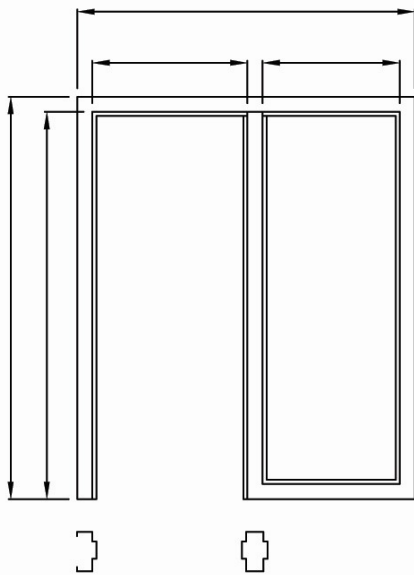
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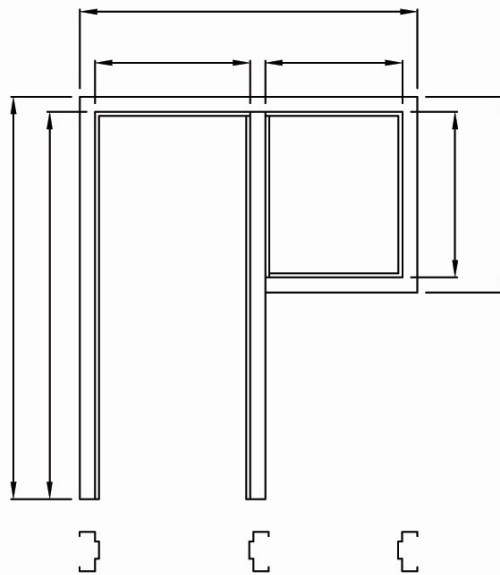
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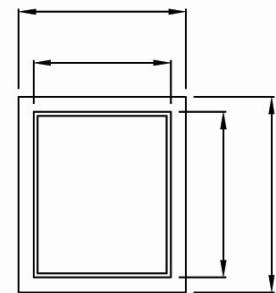
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ELEVATION ____



ELEVATION ____



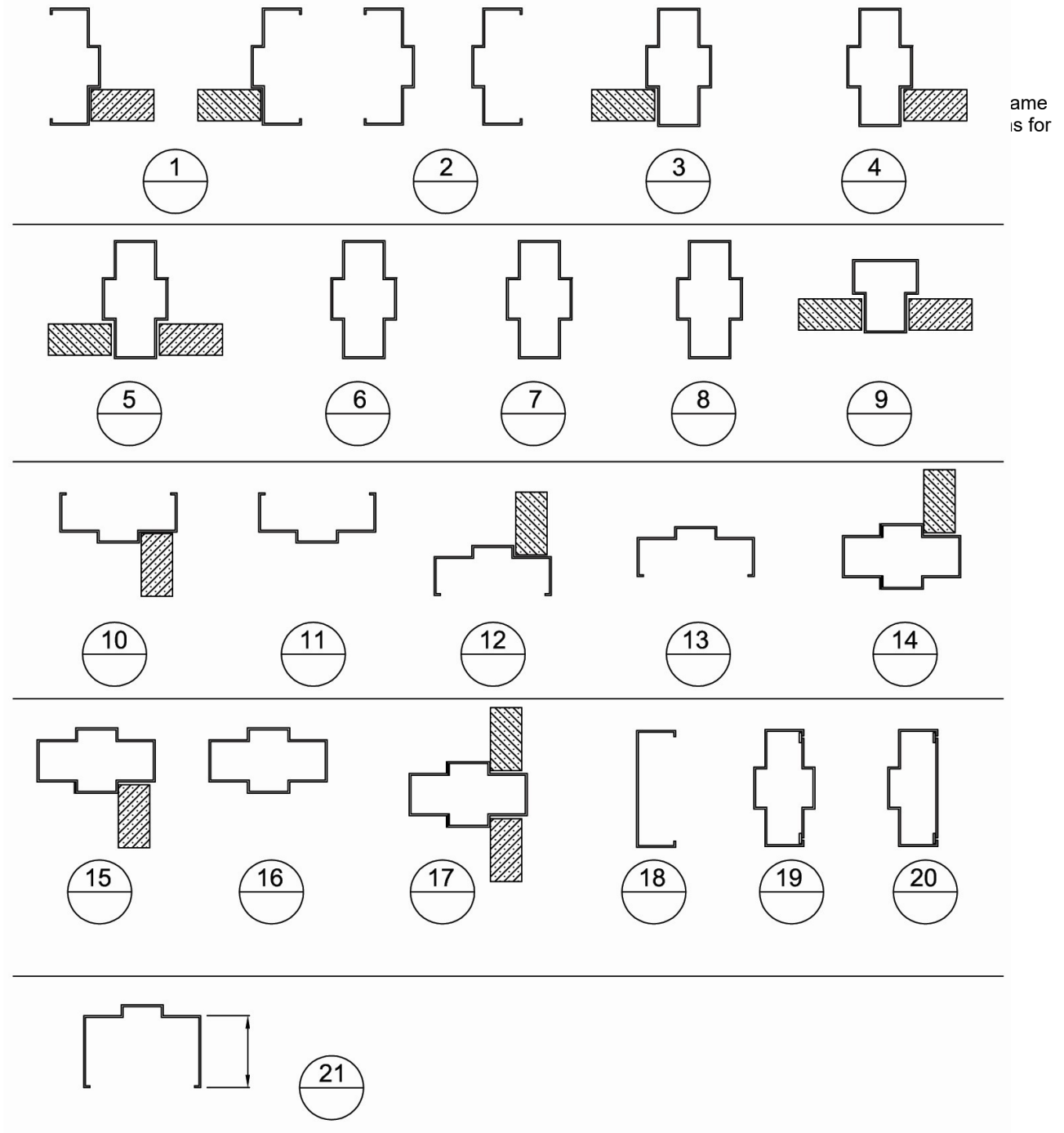
ELEVATION ____

NOTE: INDICATE "DOOR SWING" REQUIRED AND SPECIFY GLASS SIDE AND GAP ON PLAN VIEW.

See Frame Sections for corresponding details.



FRAME SECTIONS



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is for

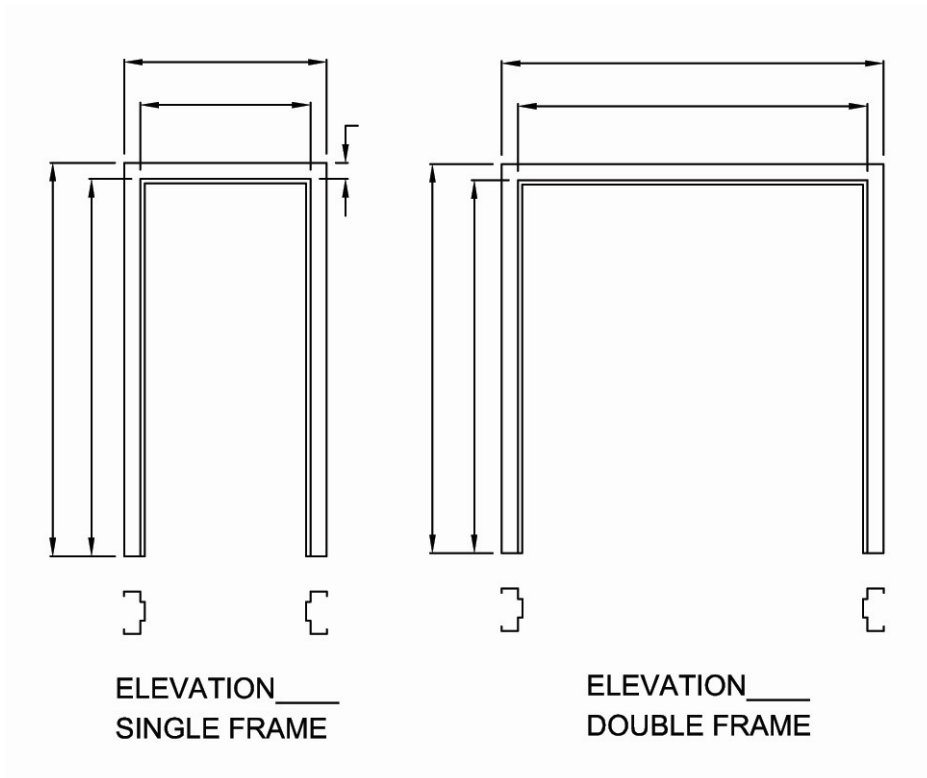
See Frame Elevations for corresponding details.



C&C Doors and Frames

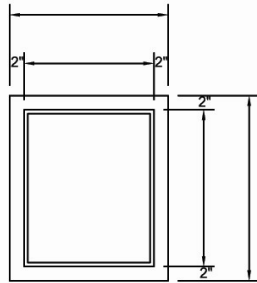
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3 SIDED FRAME ELEVATIONS

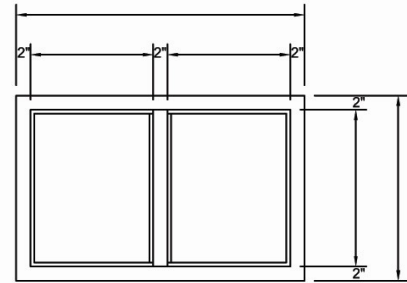




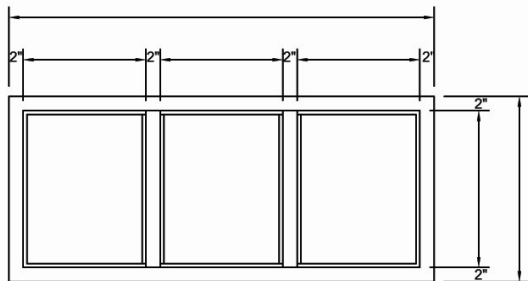
BORROWED LITE ELEVATIONS



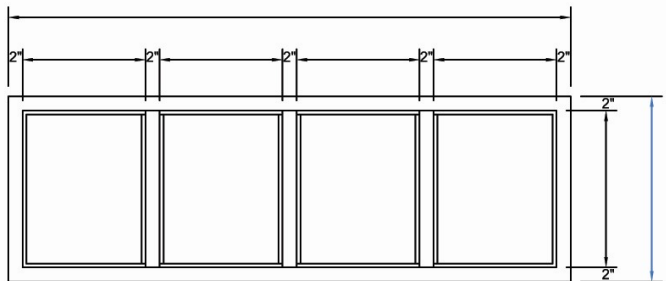
ELEVATION ____



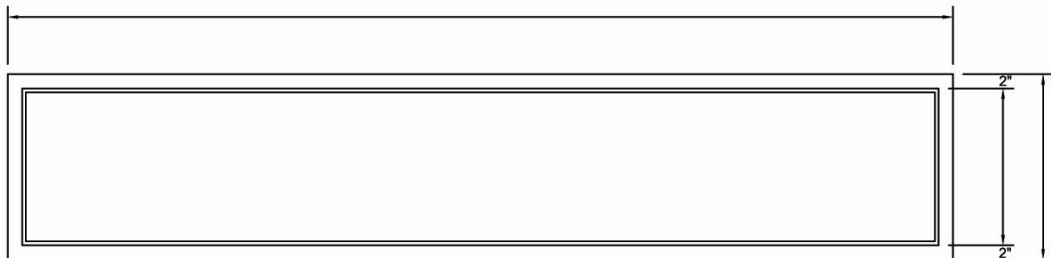
ELEVATION ____



ELEVATION ____



ELEVATION ____



ELEVATION ____